

ABSTRACT OF DISCLOSURE

~~The present invention provides a~~ A data encryption method and apparatus ~~select,~~ in which an encryption algorithm module combination is ~~selected~~ from among a plurality of encryption algorithm module combinations predetermined by the user in cooperation with data attribute matching and a dynamic selection mechanism to perform encryption processing of data. The encryption of data through ~~such alternate~~ the use of different encryption algorithm module combinations ~~not only~~ enhances the complexity in decryption of the data. ~~the~~ The processing speed, ~~however,~~ is not sacrificed due to the use of relatively complicated encryption algorithms to ensure security. Furthermore, ~~in the data decryption method and apparatus according to the present invention,~~ data is decrypted using decryption algorithm module combinations that are dynamically switched according to decryption information appended to the ciphertext.